

PTO/SB/08 (2-92)  
Sheet 1 of 9

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 249212013000

Application Number 09/588,891

Applicant

Tao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003

## U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Name             | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|------------------|-------|----------|----------------------------|
| KU                | 1.       | 07/05/2001 | 2001/0006437 | Leonhardt et al. |       |          |                            |
|                   | 2.       | 10/30/1973 | 3,768,752    | Bettini et al.   |       |          |                            |
|                   | 3.       | 02/05/1974 | 3,790,755    | Silverman        |       |          |                            |
|                   | 4.       | 12/14/1976 | 3,997,715    | Elliott          |       |          |                            |
|                   | 5.       | 07/23/1985 | 4,531,205    | Faugeras         |       |          |                            |
|                   | 6.       | 04/12/1988 | 4,737,877    | Kröngelb et al.  |       |          |                            |
|                   | 7.       | 10/22/1991 | 5,060,212    | Fujita et al.    |       |          |                            |
|                   | 8.       | 12/17/1991 | 5,073,884    | Kobayashi        |       |          |                            |
|                   | 9.       | 05/05/1992 | 5,111,448    | Komma et al.     |       |          |                            |
|                   | 10.      | 09/01/1992 | 5,144,604    | Sugiura          |       |          |                            |
|                   | 11.      | 06/08/1993 | 5,218,595    | Lehureau et al.  |       |          |                            |
|                   | 12.      | 03/08/1994 | 5,293,367    | Kadowaki et al.  |       |          |                            |
|                   | 13.      | 07/19/1994 | 5,331,621    | Miyake et al.    |       |          |                            |
|                   | 14.      | 08/02/1994 | 5,334,849    | Thomas et al.    |       |          |                            |
|                   | 15.      | 02/20/1996 | 5,493,554    | Sasaki et al.    |       |          |                            |
|                   | 16.      | 12/03/1996 | 5,581,523    | Seki et al.      |       |          |                            |
|                   | 17.      | 02/25/1997 | 5,606,542    | Kim              |       |          |                            |
|                   | 18.      | 05/27/1997 | 5,633,844    | Maeda et al.     |       |          |                            |
|                   | 19.      | 07/15/1997 | 5,648,946    | Yamazaki         |       |          |                            |
|                   | 20.      | 07/15/1997 | 5,648,951    | Kato et al.      |       |          |                            |
|                   | 21.      | 10/07/1997 | 5,674,583    | Nakayama et al.  |       |          |                            |
|                   | 22.      | 10/21/1997 | 5,680,278    | Sawtelle, Jr.    |       |          |                            |
|                   | 23.      | 10/21/1997 | 5,680,384    | Seki et al.      |       |          |                            |
|                   | 24.      | 11/11/1997 | 5,687,155    | Fukakusa et al.  |       |          |                            |
|                   | 25.      | 02/10/1998 | 5,717,674    | Mori et al.      |       |          |                            |
|                   | 26.      | 06/30/1998 | 5,774,313    | Tanaka et al.    |       |          |                            |
| 12                | 27.      | 01/05/1999 | 5,855,589    | McEwen et al.    |       |          |                            |

EXAMINER:

1DATE CONSIDERED:

4/30/04

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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pa-792430

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PTO/SB/08 (2-92)

Sheet 2 of 9

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| <b>Form PTO-1449</b><br><b>INFORMATION DISCLOSURE CITATION</b><br><b>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |  |  |  | Docket Number 249212013000<br>Application Number 09/588,891 |  |
| Applicant<br>Tzao-Chang LEE and Janica TYLOCK  |  |  |  | Filing Date June 7, 2000<br>Group Art Unit 2651             |  |
| Mailing Date June 5, 2003  |  |  |  |   |  |

|     |            |           |                  |  |  |  |
|-----|------------|-----------|------------------|--|--|--|
| 28. | 02/16/1999 | 5,872,675 | Solhjell         |  |  |  |
| 29. | 11/30/1999 | 5,993,948 | Yamazaki et al.  |  |  |  |
| 30. | 02/29/2000 | 6,031,671 | Ayres            |  |  |  |
| 31. | 05/16/2000 | 6,063,489 | Kobayashi et al. |  |  |  |
| 32. | 07/04/2000 | 6,084,740 | Leonhardt et al. |  |  |  |
| 33. | 08/15/2000 | 6,103,365 | Ishii et al.     |  |  |  |
| 34. | 08/22/2000 | 6,108,159 | Nute et al.      |  |  |  |
| 35. | 06/12/2001 | 6,246,535 | Saliba et al.    |  |  |  |
| 36. | 11/20/2001 | 6,319,595 | Katashima et al. |  |  |  |
| 37. | 11/12/2002 | 6,480,351 | Leonhardt et al. |  |  |  |

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| Examiner Initials | Ref. No. | Date       | Document No. | Country | Class | Subclass | Translation<br>YES NO   |   |
|-------------------|----------|------------|--------------|---------|-------|----------|-------------------------|---|
| KW                | 38.      | 01/12/1983 | EP 0 069 548 | Europe  |       |          |                         |   |
|                   | 39.      | 07/20/1983 | EP 0 083 753 | Europe  |       |          |                         |   |
|                   | 40.      | 01/11/1984 | EP 0 097 774 | Europe  |       |          |                         |   |
|                   | 41.      | 05/16/1984 | EP 0 108 258 | Europe  |       |          |                         |   |
|                   | 42.      | 09/26/1984 | EP 0 119 568 | Europe  |       |          | Yes<br>Abstract<br>only | — |
|                   | 43.      | 01/09/1985 | EP 0 130 495 | Europe  |       |          |                         |   |
|                   | 44.      | 09/18/1985 | EP 0 153 000 | Europe  |       |          |                         |   |
|                   | 45.      | 01/02/1986 | EP 0 166 199 | Europe  |       |          |                         |   |
|                   | 46.      | 04/16/1986 | EP 0 177 737 | Europe  |       |          |                         |   |
|                   | 47.      | 05/07/1986 | EP 0 180 258 | Europe  |       |          |                         |   |
|                   | 48.      | 08/06/1986 | EP 0 189 948 | Europe  |       |          |                         |   |
|                   | 49.      | 11/04/1987 | EP 0 244 005 | Europe  |       |          |                         |   |
| KW                | 50.      | 03/02/1988 | EP 0 257 713 | Europe  |       |          |                         |   |

|                              |                          |
|------------------------------|--------------------------|
| EXAMINER: <i>[Signature]</i> | DATE CONSIDERED: 4/30/04 |
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 PTO/SB/08 (2-92)  
 pa-792430

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PTO/SB/08 (2-92)

Sheet 3 of 9

|   |            |              |              |        |  |                         |                                      |  |
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| <b>Form PTO-1449</b>  |            |              |              |        | <b>Docket Number 249212013000</b>                  |                         | <b>Application Number 09/588,891</b> |  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i>  |            |              |              |        | <b>Applicant</b><br>Zao-Chang LEE and James TYLOCK |                         |                                      |  |
|   |            |              |              |        | <b>Filing Date June 7, 2000</b>                    |                         | <b>Group Art Unit 2651</b>           |  |
|   |            |              |              |        | <b>Mailing Date June 5, 2003</b>                   |                         |                                      |  |
| kw  | 51.        | 04/12/1989   | EP 0 311 485 | Europe |  |                         | Yes<br>Abstract<br>only              |  |
|   | 52.        | 04/19/1989   | EP 0 311 859 | Europe |  |                         |                                      |  |
|   | 53.        | 10/11/1989   | EP 0 336 419 | Europe |  |                         |                                      |  |
|   | 54.        | 12/06/1989   | EP 0 344 759 | Europe |  |                         |                                      |  |
|   | 55.        | 12/20/1989   | EP 0 347 074 | Europe |  |                         |                                      |  |
|   | 56.        | 01/24/1990   | EP 0 351 837 | Europe |  |                         |                                      |  |
|   | 57.        | 01/31/1990   | EP 0 353 007 | Europe |  |                         |                                      |  |
|   | 58.        | 05/16/1990   | EP 0 368 268 | Europe |  |                         |                                      |  |
|   | 59.        | 05/16/1990   | EP 0 368 269 | Europe |  |                         |                                      |  |
|   | 60.        | 10/03/1990   | EP 0 390 555 | Europe |  |                         |                                      |  |
|   | 61.        | 04/24/1991   | EP 0 423 662 | Europe |  |                         |                                      |  |
|   | 62.        | 06/26/1991   | EP 0 434 230 | Europe |  |                         |                                      |  |
|   | 63.        | 08/28/1991   | EP 0 443 810 | Europe |  |                         |                                      |  |
|   | 64.        | 05/13/1992   | EP 0 484 774 | Europe |  |                         |                                      |  |
|   | 65.        | 05/13/1992   | EP 0 484 775 | Europe |  |                         |                                      |  |
|   | 66.        | 05/13/1992   | EP 0 484 779 | Europe |  |                         |                                      |  |
|   | 67.        | 05/13/1992   | EP 0 484 780 | Europe |  |                         |                                      |  |
|   | 68.        | 07/29/1992   | EP 0 496 461 | Europe |  |                         |                                      |  |
|   | 69.        | 04/07/1993   | EP 0 535 112 | Europe |  |                         |                                      |  |
|   | 70.        | 07/07/1993   | EP 0 549 845 | Europe |  |                         |                                      |  |
| 71.   | 07/07/1993 | EP 0 549 854 | Europe       |        |  | Yes<br>Abstract<br>only |                                      |  |
| 72.   | 08/18/1993 | EP 0 555 511 | Europe       |        |  |                         |                                      |  |
| 73.   | 10/06/1993 | EP 0 564 187 | Europe       |        |  |                         |                                      |  |
| 74.   | 05/25/1994 | EP 0 598 503 | Europe       |        |  |                         |                                      |  |
| 75.   | 07/20/1994 | EP 0 606 710 | Europe       |        |  |                         |                                      |  |
| 76.   | 03/29/1995 | EP 0 645 043 | Europe       |        |  |                         |                                      |  |
| 77.   | 03/29/1995 | EP 0 645 044 | Europe       |        |  |                         |                                      |  |
| 78.   | 06/07/1995 | EP 0 655 960 | Europe       |        |  |                         |                                      |  |
| <b>EXAMINER:</b> <i>[Signature]</i>   |            |              |              |        | <b>DATE CONSIDERED:</b> 4/30/04                    |                         |                                      |  |
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PTO/SB/08 (2-92)  
pa-792430

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PTO/SB/08 (2-92)  
Sheet 4 of 9

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 249212013000

Application Number 09/588,891

Applicant

Tzao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003

|     |            |              |         |  |  |                         |    |
|-----|------------|--------------|---------|--|--|-------------------------|----|
| 79. | 11/29/1995 | EP 0 684 597 | Europe  |  |  |                         |    |
| 80. | 07/22/1998 | EP 0 854 471 | Europe  |  |  |                         |    |
| 81. | 08/09/2000 | EP 1 026 665 | Europe  |  |  |                         |    |
| 82. | 08/09/2000 | EP 1 026 666 | Europe  |  |  |                         |    |
| 83. | 08/09/2000 | EP 1 026 667 | Europe  |  |  |                         |    |
| 84. | 07/18/2001 | EP 1 117 092 | Europe  |  |  |                         |    |
| 85. | 01/14/1977 | FR 2 315 142 | France  |  |  | Yes<br>Abstract<br>only |    |
| 86. | 04/14/1920 | DE 320195    | Germany |  |  |                         | No |
| 87. | 08/14/1975 | DE 24 06 292 | Germany |  |  | Yes<br>Abstract<br>only |    |
| 88. | 03/11/1977 | DE 26 16 362 | Germany |  |  | Yes<br>Abstract<br>only |    |
| 89. | 08/04/1983 | DE 32 01 935 | Germany |  |  | Yes<br>Abstract<br>only |    |
| 90. | 11/14/1985 | DE 34 17 426 | Germany |  |  | Yes<br>Abstract<br>only |    |
| 91. | 07/02/1992 | DE 41 42 052 | Germany |  |  | Yes<br>Abstract<br>only |    |
| 92. | 09/02/1981 | JP 56-111169 | Japan   |  |  | Yes<br>Abstract<br>only |    |
| 93. | 03/24/1982 | JP 57-50346  | Japan   |  |  | Yes<br>Abstract<br>only |    |
| 94. | 07/27/1982 | JP 57-120230 | Japan   |  |  | Yes<br>Abstract<br>only |    |

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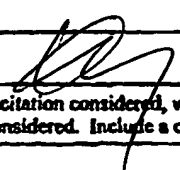
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PTO/SB/08 (2-92)

Sheet 5 of 9

|  |            |              |       |  |   |                         |                               |  |
|--|------------|--------------|-------|--|---|-------------------------|-------------------------------|--|
| Form PTO-1449  |            |              |       |  | Docket Number 249212013000                  |                         | Application Number 09/588,891 |  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i>   |            |              |       |  | Applicant<br>Tao-Chang LEE and James TYLOCK |                         |                               |  |
|  |            |              |       |  | Filing Date June 7, 2000                    |                         | Group Art Unit 2651           |  |
|  |            |              |       |  | Mailing Date June 5, 2003                   |                         |                               |  |
| 95.  | 07/27/1982 | JP 57-120255 | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 96.  | 06/30/1986 | JP 61-142530 | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 97.  | 08/22/1987 | JP 62-192025 | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 98.  | 06/21/1988 | JP 63-148416 | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 99.  | 10/19/1988 | JP 63-251924 | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 100.   | 03/16/1989 | JP 64-70916  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 101.   | 07/25/1990 | JP 2-188915  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 102.   | 06/17/1991 | JP 3-141087  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 103.   | 09/03/1991 | JP 3-201215  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 104.   | 09/26/1991 | JP 3-219432  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 105.   | 10/29/1991 | JP 3-242816  | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| 106.   | 01/08/1992 | JP 4-3832    | Japan |  |   | Yes<br>Abstract<br>only |                               |  |
| EXAMINER:   |            |              |       |  | DATE CONSIDERED: 4/2/04                     |                         |                               |  |
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pa-792430

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PTO/SB/08 (2-92)

Sheet 6 of 9

|   |            |             |       |  |   |                         |                                      |  |
|---|------------|-------------|-------|--|---|-------------------------|--------------------------------------|--|
| <b>Form PTO-1449</b>  |            |             |       |  | <b>Docket Number 249212013000</b>                   |                         | <b>Application Number 09/588,891</b> |  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i>  |            |             |       |  | <b>Applicant</b><br>Tzao-Chang LEE and James TYLOCK |                         |                                      |  |
|   |            |             |       |  | <b>Filing Date June 7, 2000</b>                     |                         | <b>Group Art Unit 2651</b>           |  |
|   |            |             |       |  | <b>Mailing Date June 5, 2003</b>                    |                         |                                      |  |
| 107.  | 02/07/1992 | JP 4-38632  | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 108.  | 02/26/1992 | JP 4-59399  | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 109.  | 09/08/1992 | JP 4-252417 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 110.  | 10/28/1992 | JP 4-305844 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 111.  | 03/26/1993 | JP 5-73883  | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 112.  | 01/28/1994 | JP 6-020414 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 113.  | 05/20/1994 | JP 6-139549 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 114.  | 09/02/1994 | JP 6-243619 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 115.  | 09/16/1994 | JP 6-259736 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 116.  | 10/21/1994 | JP 6-293372 | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 117.  | 01/31/1995 | JP 7-29136  | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| 118.  | 03/03/1995 | JP 7-57412  | Japan |  |   | Yes<br>Abstract<br>only |                                      |  |
| <b>EXAMINER:</b>  |            |             |       |  | <b>DATE CONSIDERED:</b> 4/30/04                     |                         |                                      |  |
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pa-792430

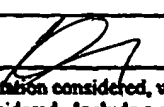
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PTO/SB/08 (2-92)  
Sheet 7 of 9

|  |      |            |              |       |  |                  |                               |                  |
|--|------|------------|--------------|-------|--|------------------|-------------------------------|------------------|
| Form PTO-1449  |      |            |              |       | Docket Number 249212013000                               |                  | Application Number 09/388,891 |                  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i>   |      |            |              |       | Applicant  |                  |                               |                  |
|  |      |            |              |       | Tzao-Chang LEE and James TYLOCK                          |                  |                               |                  |
|  |      |            |              |       | Filing Date June 7, 2000                                 |                  | Group Art Unit 2651           |                  |
|  |      |            |              |       | Mailing Date June 5, 2003                                |                  |                               |                  |
| kw   | 119. | 03/10/1995 | JP 7-65434   | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 120. | 07/21/1995 | JP 7-182626  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 121. | 08/18/1995 | JP 7-220255  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 122. | 07/09/1996 | JP 8-174669  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 123. | 01/10/1997 | JP 9-7131    | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 124. | 02/07/1997 | JP 9-35246   | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 125. | 10/07/1997 | JP 9-265626  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 126. | 03/09/1999 | JP 11-66529  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 127. | 03/09/1999 | JP 11-66745  | Japan | <del>_____</del>   | <del>_____</del> |                               | No               |
|  | 128. | 04/09/1999 | JP 11-96705  | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 129. | 05/11/1999 | JP 11-126328 | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
|  | 130. | 06/08/1999 | JP 11-154312 | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
| kw   | 131. | 06/18/1999 | JP 11-161928 | Japan | <del>_____</del>   | <del>_____</del> | Yes<br>Abstract<br>only       | <del>_____</del> |
| EXAMINER: <i>[Signature]</i>   |      |            |              |       | DATE CONSIDERED: <i>4/30/04</i>                          |                  |                               |                  |
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PTO/SB/08 (2-92)

Sheet 8 of 9

|  |            |             |                |                |                                 |                         |                               |    |
|--|------------|-------------|----------------|----------------|---------------------------------|-------------------------|-------------------------------|----|
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|  |            |             |                |                | Tzao-Chang LEE and James TYLOCK |                         |                               |    |
|  |            |             |                |                | Filing Date June 7, 2000        |                         | Group Art Unit 2651           |    |
|  |            |             |                |                | Mailing Date June 5, 2003       |                         |                               |    |
| 16W  | 132.       | 08/06/1999  | JP 11-213383   | Japan          |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 133.       | 08/06/1999  | JP 11-213384   | Japan          |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 134.       | 09/07/1999  | JP 11-242814   | Japan          |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 135.       | 12/10/1999  | JP 11-339254   | Japan          |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 136.       | 12/24/1999  | JP 11-353642   | Japan          |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 137.       | 03/16/2001  | JP 2001-067652 | Japan          |                                 |                         |                               |    |
|  | 138.       | 07/28/1994  | 9406847        | South Korea    |                                 |                         | Yes<br>Abstract<br>only       |    |
|  | 139.       | 01/30/1985  | SU 1137513     | Soviet Union   |                                 |                         |                               | No |
|  | 140.       | 04/15/1977  | CH 586 944     | Switzerland    |                                 |                         |                               | No |
|  | 141.       | 05/31/1979  | 2 008 290      | United Kingdom |                                 |                         |                               |    |
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| EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. |            |             |                |                |                                 |                         |                               |    |

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


Sheet 9 of 9

|  |   |                               |
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|  | Applicant<br>Tiao-Chang LEE and Janice TYLOCK |                               |
|  | Filing Date June 7, 2000                      | Group Art Unit 2651           |
|  | Mailing Date June 5, 2003                     |                               |

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|  | Inventor(s)<br>Tzuo-Chang LEE and James TYLOCK |                               |
|  | Filing Date June 7, 2000                       | Group Art Unit 2651           |
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